

What is claimed is:

Sub A1

1. A method of making a lyophilizate of a peptide which contains 3-15 amino acids, said method comprising dissolving the peptide in acetic acid to form a solution containing 100 - 10,000 parts by weight of acetic acid for each part of peptide, transferring the solution to water, and lyophilizing the resulting solution.

2. A method as set forth in claim 1 in which at least one bulking agent is dissolved in the acetic acid with the peptide.

3. A method as set forth in claim 2 in which the bulking agent is mannitol.

4. A method as set forth in claim 1 in which the peptide is selected from the group consisting of Bombesin-Antagonist, Protirelin, Somatostatin and Cetrorelix.

5. A method as set forth in claim 1 in which the peptide is selected from the group consisting of Bombesin-Antagonist, Protirelin and Somatostatin.

6. A method as set forth in claim 1 in which the peptide is cetrorelix.

7. A pharmaceutical composition containing a peptide produced by the method of any one of claims 1-5.

8. A pharmaceutical composition containing a peptide produced by the method of claim 6.

9. A method of treating female infertility which comprises administering an effective amount of the pharmaceutical composition of claim 8.

10. A method of providing male gonad protection which comprises administering to a male an effective amount of the pharmaceutical composition of claim 8.

Add A2

Add B1
Add D1

Add J2